

**What Is Claimed Is:**

1           1.       A vehicle surveillance system, comprising:

2                   a plurality of digital cameras mounted on a vehicle's interior and exterior for photographing  
3                   a driving information, the interior environment of the vehicle and exterior views around the vehicle  
4                   to eliminate blind spots inherent to the vehicle's mirrors;

5                   a monitor mounted on a front panel of the vehicle for displaying image information  
6                   photographed by each digital camera on a screen of said monitor;

7                   a key operator integrated with the monitor and disposed on a front face of said monitor, said  
8                   key operator being utilized by an occupant of said vehicle for controlling how the image information  
9                   is displayed on the screen of said monitor and for setting a photographing schedule for the digital  
10                  cameras;

11                  a system controller for controlling every part of said vehicle surveillance system according  
12                  to a signal input from said key operator;

13                  a memory, being attachable/detachable with the system controller through a communications  
14                  port, for sequentially saving the image information photographed by the digital cameras under the  
15                  control of the system controller;

16                  a power supply, being charged by a car battery, for supplying power to every part of the  
17                  vehicle surveillance system; and

18                  an operation controller for turning on/off the power supply and every part of the vehicle  
19                  surveillance system.

1           2. The vehicle surveillance system as set forth in claim 1, wherein every part of the  
2           vehicle surveillance system is connected to said system controller through respective  
3           communications ports.

1           3. The vehicle surveillance system as set forth in claim 1, further comprising:  
2           a printer, a keyboard and a mouse connected to said system controller through respective  
3           communications ports.

1           4. The vehicle surveillance system as set forth in claim 1, further comprising:  
2           a case, mounted in a predetermined area of said vehicle, in which said power supply, said  
3           system controller and said memory are mounted.

1           5. The vehicle surveillance system as set forth in claim 1, further comprising:  
2           a sound memory storing a plurality of predetermined sounds, including voice sounds;  
3           a sound detector for detecting sounds in close proximity to said vehicle;  
4           a sound analyzer for comparing a detected sound to the sounds stored in said sound memory;  
5           and  
6           an alarm generator for generating an audible alarm through a speaker to the exterior of said  
7           vehicle when said sound analyzer determines the detected sound corresponds to one of said stored  
8           sounds.

1           6. The vehicle surveillance system as set forth in claim 1, further comprising:  
2           a compact disc player, a digital video disk player and a television receiver each being  
3           connected to said system controller for displaying images on the screen of said monitor.

1           7. The vehicle surveillance system as set forth in claim 5, further comprising:  
2           a compact disc player, a digital video disk player and a television receiver each being  
3           connected to said system controller for displaying images on the screen of said monitor.

1           8. The vehicle surveillance system as set forth in claim 1, said system controller  
2           including:  
3           a charging switch for charging the power supply through the car battery;  
4           a camera operation switch for turning on/off the operation of each digital camera;  
5           a control switch for controlling the operation of the system controller;  
6           a power supply switch for supplying power provided by the power supply to each part of the  
7           vehicle surveillance system;  
8           a light emitting diode for indicating an operating status of the system controller; and  
9           a reset switch for initializing the operating status of the system controller.

1           9. The vehicle surveillance system as set forth in claim 1, said monitor including:  
2           a plurality of screens for displaying the images photographed by the digital cameras;

3           a time display window for displaying date and time of the photographing; and  
4           an information display window for displaying information pertaining to the image  
5           photographs of each digital camera using user recognizable letters.

1           10.       The vehicle surveillance system as set forth in claim 9, wherein an image displayed  
2           on any one of said screens can be magnified based on a touch screen method.

1           11.       The vehicle surveillance system as set forth in claim 9, said key operator including:  
2           a primary button for inverting the images, which have been photographed by each digital  
3           camera and displayed;  
4           a secondary button for splitting and inverting the images, which have been photographed  
5           by each digital camera and displayed, and  
6           a third button splitting the images, which have been photographed by each digital camera and  
7           displayed, into several regions;  
8           a motion tracer button for tracing the motions of the images;  
9           a search button for searching for the image information saved in the memory; and  
10          a setup button for enabling the operator to control the functions of each of the named buttons  
11          include in said key operator.

1           12.       The vehicle surveillance system as set forth in claim 9, said setup button being  
2           utilized to set channels for the screens to display the image information photographed by each digital

3       camera, to set a display screen color, to set a photographing schedule for every digital camera, to set  
4       a photographing speed of the digital cameras, to set a memory recording speed for recording the  
5       images photographed by the digital cameras, and to adjust blocks and sensitivities of the images  
6       designated through the motion tracer button.

1           13.      The vehicle surveillance system as set forth in claim 1, further comprising left and  
2       right side mirrors on which two of said digital cameras are mounted, said two digital cameras having  
3       a view point towards the rear of said vehicle.

1           14.      The vehicle surveillance system as set forth in claim 1, further comprising  
2       at least one of said digital cameras being mounted on an interior portion of the vehicles's roof  
3       for photographing areas in front of said vehicle;  
4       at least one of said digital cameras being mounted on the interior portion of the vehicles's  
5       roof for photographing areas in back of said vehicle;  
6       at least one of said digital cameras being mounted on an interior portion of the vehicles's roof  
7       for photographing a dashboard of said vehicle to photograph said driving information; and  
8       at least one of said digital cameras being mounted on an interior portion of the vehicles's roof  
9       for photographing interior areas of said vehicle to photograph said interior environment.

1           15.      A vehicle surveillance system comprising:

2       a sound memory storing a plurality of predetermined sounds, including voice sounds;

3           a sound detector for detecting sounds in close proximity to said vehicle;  
4           a sound analyzer for comparing a detected sound to the sounds stored in said sound memory;  
5           and  
6           an alarm generator for generating an audible alarm through a speaker to the exterior of said  
7           vehicle when said sound analyzer determines the detected sound corresponds to one of said stored  
8           sounds.

1           16.       The vehicle surveillance system as set forth in claim 15, further comprising:  
2           a plurality of digital cameras mounted on a vehicle's interior and exterior for photographing  
3           a driving information, the interior environment of the vehicle and exterior views around the vehicle  
4           to eliminate blind spots inherent to the vehicle's mirrors;  
5           a monitor mounted on a front panel of the vehicle for displaying image information  
6           photographed by each digital camera on a screen of said monitor;  
7           a key operator integrated with the monitor and disposed on a front face of said monitor, said  
8           key operator being utilized by an occupant of said vehicle for controlling how the image information  
9           is displayed on the screen of said monitor and for setting a photographing schedule for the digital  
10          cameras;  
11          a system controller for controlling every part of said vehicle surveillance system;  
12          an image memory, being attachable/detachable with the system controller through a  
13          communications port, for sequentially saving the image information photographed by the digital  
14          cameras under the control of the system controller;

15           a power supply, being charged by a car battery, for supplying power to every part of the  
16           vehicle surveillance system; and  
17           an operation controller for turning on/off the power supply and every part of the vehicle  
18           surveillance system.

1           17.       The vehicle surveillance system as set forth in claim 16, further comprising:  
2           a compact disc player, a digital video disk player and a television receiver each being  
3           connected to said system controller for displaying images on the screen of said monitor.

1           18.       The vehicle surveillance system as set forth in claim 16, further comprising:  
2           a printer, a keyboard and a mouse connected to said system controller through respective  
3           communications ports.